Access DB# 84000

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Lyle Alexander Examiner # : 65873 Date: 1/10/03
Art Unit: 1743 Phone Number 308 3893 Serial Number: 10/608788
Mail Box and Bldg/Room Location: 7C08 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Electrochemical Biosensor Test Strip

Inventors (please provide full names): William F. Crismore; Nigel J. Surridge; Daniel R. McMinn; Richard J. Bodensteiner; Eric R. Diebold; ~~R. Dale Delk~~

Earliest Priority Filing Date:

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

Please perform a litigation search.

Thank you!

LyL

R. Dale Delk; David W. Burke; Jiaxiong Jason Ho; Robert Kitchel Earl
Brian A. Heald

USP 5,997,817

No Litigation Reported

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STAFF USE ONLY		Type of Search		Vendors and cost where applicable	
Searcher:	Melissa	NA Sequence (#)		STN	
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PTO-1590 (8-01)

PATNO IS 5997817

DATE: JANUARY 13, 2003
LIBRARY: PATENT
FILE: ALL

Your search request is:
PATNO IS 5997817

Number of PATENTS found with your search request through:
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Your search request has found 1 PATENT through Level 1.
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LEVEL 1 - 1 PATENT

1. 5997817 , December 7, 1999 , Electrochemical biosensor test strip, Crismore, William F., Indianapolis, IN; Surridge, Nigel A., Indianapolis, IN; McMinn, Daniel R., Fishers, IN; Bodensteiner, Richard J., Indianapolis, IN; Diebold, Eric R., Fishers, IN; Delk, R. Dale, Muncie, IN; Burke, David W., Carmel, IN; Ho, Jiaxiong Jason, Carmel, IN; Earl, Robert Kitchel, Carmel, IN; Heald, Brian A., Fishers, IN, 985840 (08), Roche Diagnostics Corporation, Indianapolis, IN

CORE TERMS: strip, reagent, sample, track, electrode, conductive, glucose, substrate, roof, window ...

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5997817

<=1> GET 1st DRAWING SHEET OF 5

December 7, 1999

Electrochemical biosensor test strip

REISSUE: December 7, 2001 - Reissue Application filed Ex. Gp.: 1743; Re. S.N. 10/088,788 (O.G. August 6, 2002)

APPL-NO: 985840 (08)

FILED-DATE: December 5, 1997

GRANTED-DATE: December 7, 1999

CORE TERMS: strip, reagent, sample, track, electrode, conductive, glucose, substrate, roof, window ...

ENGLISH-ABST:

An electrochemical biosensor test strip with four new features. The test strip includes an indentation for tactile feel as to the location of the strips sample application port. The sample application port leads to a capillary test chamber, which includes a test reagent. The wet reagent includes from about 0.2% by weight to about 2% by weight polyethylene oxide from about 100 kilodaltons to about 900 kilodaltons mean molecular weight, which makes the dried reagent more hydrophilic and sturdier to strip processing steps, such as mechanical punching, and to mechanical manipulation by the test strip user. The roof of the capillary test chamber includes a transparent or translucent window which operates as a "fill to here" line, thereby identifying when enough test sample (a liquid sample, such as blood) has been added to the test chamber to accurately perform a test. The test strip may further include a notch located at the sample application port. The notch reduces a phenomenon called "dose hesitation".

5,997,817 OR 5,997,817

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